

Title (en)

A system for controlling torque distribution in a four wheel drive vehicle.

Title (de)

Kontrollsystem für die Momentenverteilung in einem Fahrzeug mit Vierradantrieb.

Title (fr)

Système de contrôle de distribution du couple pour véhicule à quatre roues motrices.

Publication

EP 0424054 A2 19910424 (EN)

Application

EP 90311240 A 19901015

Priority

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- JP 27459589 A 19891020
- JP 27459689 A 19891020
- JP 27459789 A 19891020

Abstract (en)

A central differential (50) for splitting output torque of a transmission is formed by a complex planetary device. The planetary device comprises an input sun gear (53) operatively connected with an output shaft (15) of the transmission, a plurality of output sun gears (54, 55), a carrier (61), a pinion member (56) comprising a plurality of planetary pinions (57, 58, 59) integral with each other and rotatably supported on the carrier. Fluid operated friction clutches (71, 72, 73) are provided for selectively connecting one of the output sun gears to an output member (20) of the central differential.

IPC 1-7

B60K 17/346; **B60K 23/08**

IPC 8 full level

B60K 17/346 (2006.01); **B60K 23/08** (2006.01)

CPC (source: EP US)

B60K 17/3462 (2013.01 - EP US); **B60K 23/0808** (2013.01 - EP US)

Cited by

EP1445140A1; EP1445139A1; EP0848190A3; EP1462292A3; DE4122126A1; US5234072A; AU2001269342B2; KR100802007B1; GB2408298A; GB2408298B; EP3812622A1; WO2005033555A1; US6805651B2; US11313445B2; US7326144B2; WO0209966A1; WO2004018248A1

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